Table S1. Bacterial strains, plasmids and primers used in this study. Gm indicates gentamycin.

	Description	Source
Strains		
MPAO1	wild-type	[26]
Δ*pilC*	*pilC* removed from MPAO1 host chromosome	this study
Δ*pilA*	*pilA* removed from MPAO1 host chromosome	this study
WM3064	W. Metcalf, UIUC	
Plasmids		
pEX18Gm	Gm^R, *oriT*$^+$, *sacB*$^+$, gene replacement vector	[29]
pEX18Gm-*pilC*-up-down	Gm^R, for deleting *pilC*	this study
pEX18Gm-*pilA*-up-down	Gm^R, for deleting *pilA*	this study
Primers for gene knockout		
pilC-up-F	acgacggccagtgccaagcttTCTGCTCGTCTCAAGGTAAT	
pilC-up-R	ATGGCTGGCCAGGTAGTCGAGGAGGGGCATGGATTAATCCTT GGTCACGCGGTTGACTT	
pilC-down-F	AAGTCAACCGCGTGACCAAGGATTAATCCATGCCCCTCCTCG ACTACCTGGCCAGCCAT	
pilC-down-R	tatgaccatgattacgaattcAGTTGGTGATCGGCATCGAT	
pilC-SF	GAGCAAGCCCGCAAAGAAG	
pilC-SR	CCAGTTGCGCTCCATCATCT	
pilC-LF	AAGATGCTGCTGGATGCCAT	
pilC-LR	GATCAGCGGGTGCAGCAATT	
pilA-up-F	ACGACGGCCAGTGCCAAGCTTTCGTTCGGAGATATCCAGGCC	
pilA-up-R	GATGGCTAAACAAGCCACCTTCGATCACCGAATCTCTCCGTT GATTATGTATAGGCCTA	
pilA-down-F	TAGGCCTATACATAATCAACGGAGAGATTCGGTGATCGAAGGT GGCTTGTTTAGCCATC	
pilA-down-R	TATGACCATGATTACGAATTCATGCCTAACCTCACCCTTGCC	
pilA-SF	AATGTCACATCCTGTCCGTTTT	
pilA-SR	AACCCCCGACCTTCTCATTA	
pilA-LF	TTGCAGTGCGAACAGAGTTTTC	
pilA-LR	GGTTGCCACAACCATCGCATCG	

References:

26. Guo, Y.; Tang, K.; Sit, B.; Gu, J.; Chen, R.; Shao, X.; Lin, S.; Huang, Z.; Nie, Z.; Lin, J.; Liu, X.; Wang, W.; Gao, X.; Liu, T.; Liu, F.; Luo, H. R.; Waldor, M. K.; Wang, X., Control of lysogeny and antiphage defense by a prophage-encoded kinase-phosphatase module. *Nat. Commun.* **2024,** 15, (1).
29. Hoang, T. T.; Karkhoff-Schweizer, R. R.; Kutchma, A. J.; Schweizer, H. P., A broad-host-range Flp-*FRT* recombination system for site-specific excision of chromosomally-located DNA sequences: application for isolation of unmarked *Pseudomonas aeruginosa* mutants. *Gene* **1998,** 212, (1), 77-86.